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ABSTRACT

The data presented in this report represent input from virtually every vocational-technical teacher and student in Tennessee during the school year 1972-73, and followup input on more than 70 percent of the students. Enrollment figures are presented in tabular form as follows: by program and by level; by USOE job title and by level; by program and by delivery system; by program and by sex; by program type and by sex; by program and by regular, disadvantaged, and handicapped; and by program type and by regular, disadvantaged, and handicapped. Other tables show the employment status of secondary and postsecondary completions by program area as of November 1, 1973, and the number of instructional personnel by subject area. (SA)

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SELECTED INFORMATION ABOUT VOCATIONAL TECHNICAL EDUCATION IN TENNESSEE FOR THE SCHOOL YEAR 1972-73

CE001283

Tennessee State Board for Vocational Education
Benjamin E. Carmichael, Executive Officer
Nashville 37219

ED 091516

Information Series No. 20

SELECTED INFORMATION ABOUT VOCATIONAL-TECHNICAL EDUCATION IN TENNESSEE FOR THE SCHOOL YEAR 1972-73

prepared by:

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MANAGEMENT INFORMATION SYSTEM
FOR
TENNESSEE DEPARTMENT OF EDUCATION
DIVISION OF VOCATIONAL-TECHNICAL EDUCATION

FOREWORD

It is recognized that the input to any system must be accurate in order to have reliable output. The excellent cooperation of administrators and teachers in the State of Tennessee has been gratifying.

In a beginning effort to utilize data for evaluation and planning, the RCU is providing some feedback, in the form of this publication.

Vocational educators in the State are indebted to all those who had input to the system. I would like to give special thanks to Mr. Gary Green, research associate, and Mr. Ralph Brown, assistant.

Special recognition must be given to Glen A. Reed. Although he was not here to assemble these final totals, they are the result of his work. All of the data presented was accumulated and compiled under his supervision as M.I.S. Project Director. His superior talent and diligent efforts enabled the M.I.S. Project to make unbelievable progress in the space of one year. This rapid progress in both the technical and public relations areas is the reason we can confidently say this data is the most accurate ever gathered for Vocational-Technical Education in Tennessee.

Garry R. Bice
Director
Research Coordinating Unit

PREFACE

The staff of the RCU believe the totals presented in the following charts to be the most accurate ever compiled for Vocational-Technical Education in this state. The enrollment totals were obtained by requesting each Vocational-Technical teacher and student to fill out a mark sense form in the fall of 1972. In January of 1973, an update was completed so that forms could be obtained for students entering programs the second semester and for new students who had moved into the school system. A final update was completed in May to account for students or teachers that may have been missed earlier in the year. As a result of these two very comprehensive updates, we feel that virtually every Vocational-Technical teacher and student in 1972-73 is represented by the figures in the following enrollment charts. In the fall of 1973 each teacher was again asked to fill out mark sense forms. This time follow-up information on the students was requested. Although the deadline was very short due to U.S.O.E. reporting requirements, actual reports were received on better than 70% of the students in the projected totals. The completeness and accuracy of these charts is due to the excellent cooperation and assistance of superintendents, vocational-technical directors, school principals and vocational-technical teachers. Every school district with vocational programs in the state except one participated in this system during the past school year. We are extremely grateful to these people for the time and effort they have contributed.

As most of those at the input end of this system know, the original system was developed for making reports to the U.S. Office of Education. We are acutely aware, though, how frustrating it becomes in the local system to constantly provide information of this nature and never see the final result. We, therefore, feel it is the obligation of the M.I.S. to report to the individual systems from which it draws its data as well as to provide the data for U.S.O.E. reports. We feel that any Management Information System must provide timely information to administrators at all levels in order to fulfill its purpose. We, therefore, hope this booklet along with subsequent reports will be a useful tool for planning and evaluation in local school districts.

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SELECTED ENROLLMENT DATA

ENROLLMENT IN TENNESSEE VOCATIONAL-TECHNICAL EDUCATION
BY PROGRAM AND BY LEVEL
SCHOOL YEAR 1972-73

PROGRAM	SECONDARY	POST SECONDARY	PREPARATORY	ADULT SUPPLEMENTAL	APPRENTICESHIP
Agriculture	20,191	154	70	559	14
Distribution	5,658	284	2,318	1,440	
Health Occupations	1,187	3,068	123	937	
Consumer & Homemaking	44,969		2,233	1,678	
Occupational Home Ec.	1,432	252	33	895	
Office	6,959	5,546	5,388	3,646	
Technical	185	2,609	1,078	1,308	
Trade & Industry	18,610	8,360	4,981	16,394	1,826
Special Programs					
Prevocational	1,912				129
Remedial	3,681	1,326	109	174	6
Total Special Programs	5,593	1,326	109	174	135

ENROLLMENT IN TENNESSEE VOCATIONAL-TECHNICAL EDUCATION
BY. U.S.O.E. JOB TITLE AND BY LEVEL
SCHOOL YEAR 1972-73

CODE	PROGRAM TITLE	SECONDARY	POST-SECONDARY	ADULT (all)
	Agriculture			
01.0100	Agri. Production	14,215	6	430
01.0200	Agri. Supplies/Services	495	58	
01.0300	Agri. Mechanics	2,375		199
01.0400	Agri. Products	102	10	
01.0500	Ornamental Horticulture	775		
01.0600	Agri. Resources	372		
01.0700	Forestry	304	9	
01.9900	Agri. Other	1,553	71	14
	Distribution			
04.0100	Advertising Services	37	2	21
04.0200	Apparel and Accessories	257	8	44
04.0300	Automotive	208	3	6
04.0400	Finance and Credit	55	24	146
04.0500	Floristry	33		30

CODE	PROGRAM TITLE	SECONDARY	POST-SECONDARY	ADULT (all)
	Distribution (continued)			
04.0600	Food Distribution	519	3	408
04.0700	Food Services	349	80	180
04.0800	General Merchandise	740	21	2,078
04.0900	Hardware, Building Materials	64	4	4
04.1000	Home Furnishings	49	2	4
04.1100	Hotel and Lodging	20	7	51
04.1200	Industrial Marketing	22	89	
04.1300	Insurance	21		232
04.1500	Personal Services	84		15
04.1600	Petroleum	82		
04.1700	Real Estate	24		233
04.1800	Recreation and Tourism	32		
04.1900	Transportation	70	33	175
04.9900	Distribution Other	2,989	4	131
	Health			
07.0101	Dental Assistant	32	86	45
07.0103	Dental Laboratory Technology	19	49	

CODE	PROGRAM TITLE	SECONDARY	POST-SECONDARY	ADULT (all)
	Health (continued)			
07.0203	Medical Laboratory Assisting	7	112	61
07.0299	Other Medical Lab Technology		87	
07.0301	Nursing (Associate Degree)		438	
07.0302	Practical (vocational) Nursing	43	1,519	143
07.0303	Nursing Assistant (aide)	94	283	319
07.0401	Occupational Therapy		10	
07.0501	Radiologic Technology		86	11
07.0700	Environmental Health		12	6
07.0800	Mental Health Technology		29	19
07.0903	Inhalation Therapy Technology		80	7
07.0904	Medical Assistant		34	117
07.9900	Health Other	977	241	332
	Consumer and Homemaking			
09.0102	Child Development	595		11
09.0103	Clothing and Textiles	2,298		3,269
09.0104	Consumer Education	344		24

CODE	PROGRAM TITLE	SECONDARY	POST-SECONDARY	ADULT (all)
	Consumer and Homemaking (continued)			
09.0106	Family Relations	1,437		
09.0107	Food and Nutrition	2,140		
09.0109	Housing and Home Furnishings	696		489
09.0199	Consumer and Homemaking Other	37,186		118
	Occupational Preparation			
09.0201	Care and Guidance of Children	427	108	248
09.0202	Clothing Management, Production and Services	179		99
09.0203	Food Management, Production and Services	358	144	552
09.0205	Institutional and Home Management and Services	45		
09.0299	Occupational Preparation Other	420		29
	Office			
14.0100	Accounting and Computing Occupations	315	950	1,629
14.0200	Business Data Processing Systems Occupations	159	1,453	1,573
14.0300	Filing, Office Machines, and Clerical Occupations	2,647	280	1,181
14.0400	Information Communication Occupations	12	39	91
14.0500	Materials Support Occup. (Transporting, Storing & Recording)	39		

CODE	PROGRAM TITLE	SECONDARY	POST-SECONDARY	ADULT (all)
	Office (continued)			
14.0600	Personnel, Training and Related Occupations		309	34
14.0700	Stenographic, Secretarial, and Related Occupations	1,624	1,630	2,272
14.0800	Supervisory and Administrative Management Occupations	63	387	104
14.0900	Typing and Related Occupations	1,432	360	2,115
14.9900	Office Other	664	138	35
	Technical			
16.0101	Aeronautical Technology		12	
16.0103	Architectural Technology		456	194
16.0105	Chemical Technology	11	78	54
16.0106	Civil Technology		209	153
16.0107	Electrical Technology		193	226
16.0108	Electronic Technology	106	757	381
16.0110	Environmental Control Technology		73	25
16.0111	Industrial Technology		127	215
16.0112	Instrumentation Technology		96	32
16.0113	Mechanical Technology	61	282	334
16.0117	Scientific Data Technology		88	52

CODE	PROGRAM TITLE	SECONDARY	POST-SECONDARY	ADULT (all)
	Technology (continued)			
16.0602	Fire and Fire Safety Technology		29	
16.0605	Police Science		137	104
16.9901	Air Pollution Technology		4	30
16.9900	Technical Other		64	580
	Trades and Industry			
17.0100	Air Conditioning	82	559	507
17.0200	Appliance Repair	134	31	23
17.0301	Body and Fender Repair	454	278	22
17.0302	Auto Mechanics	2,420	1,040	801
17.0399	Other Automotive	324		197
17.0400	Aviation Occupations	59	77	78
17.0500	Blueprint Reading	174		308
17.0600	Business Machine Maintenance	8	92	3
17.0700	Commercial Art Occupations	211		62
17.0900	Commercial Photography Occupations	45		486
17.1001	Carpentry	900	32	611
17.1002	Electricity	148		496

CODE	PROGRAM TITLE	SECONDARY	POST-SECONDARY	ADULT (all)
	Trades and Industry (continued)			
17.1004	Masonry	458	270	117
17.1007	Plumbing and Pipefitting	69		1,102
17.1009	Other Construction and Maintenance Trades	1,219	80	665
17.1100	Custodial Service	99		166
17.1200	Diesel Mechanic			13
17.1300	Drafting Occupations	1,191	856	343
17.1400	Electrical Occupations	447	421	3,378
17.1500	Electronic Occupations	786	811	941
17.1600	Fabric Maintenance Services	23		68
17.1700	Foremanship, Supervision and Management Development	23	19	812
17.1900	Graphic Arts Occupations	439	95	4
17.2100	Instrument Maintenance and Repair Occupations	11	55	126
17.2300	Metalworking Occupations	2,751	2,345	5,593
17.2601	Barbering			15
17.2602	Cosmetology	1,957	243	77
17.2699	Other Personal Services	10		
17.2801	Fireman Training			4,823
17.2802	Law Enforcement Training	5	142	71

CODE	PROGRAM TITLE	SECONDARY	POST-SECONDARY	ADULT (all)
	Trades and Industry (continued)			
17.2900	Quantity Food Occupations	460	35	75
17.3000	Refrigeration	184		125
17.3100	Small Engine Repair	103	70	236
17.3200	Stationary Energy Sources Occupations		12	49
17.3300	Textile Production and Fabrication	209	557	288
17.3400	Leather Working	85	33	
17.3500	Upholstering	53		144
17.3600	Woodworking Occupations	796	94	85
17.9900	Trade and Industry Other	2,262	112	291

ENROLLMENT IN TENNESSEE VOCATIONAL-TECHNICAL EDUCATION
BY PROGRAM AND BY DELIVERY SYSTEM
SCHOOL YEAR 1972-73

	LEVEL OF ENROLLMENT					
	SECONDARY		POSTSECONDARY		ADULT	
DELIVERY SYSTEM	NO.	%	NO.	%	NO.	%
Contracts W/ local Boards of Education	97,411	99.4	1,292	6.2	19,277	43.4
Area Vocational-Technical Schools	581	0.6	11,728	56.7	17,898	40.3
Technical Institutes	---	---	3,923	19.0	4,046	9.1
Community Colleges	---	---	3,752	18.1	867	2.0
Industrial Training	---	---	---	---	2,289	5.2
TOTAL	97,992	100.0	20,695	100.0	44,377	100.0

SECONDARY ENROLLMENT IN TENNESSEE VOCATIONAL-TECHNICAL EDUCATION
BY PROGRAM AND BY SEX
SCHOOL YEAR 1972-73

PROGRAM	Male	Female
Agriculture	20,116	503
Distribution	3,227	2,511
Health	151	998
Consumer and Homemaking	1,425	44,064
Occupational Home Economics	216	1,274
Office	507	6,841
Technical	179	8
Trade and Industry	15,809	3,275
Total Special Programs	2,933	1,129
Actual Total	44,563	60,603
Percentage	42%	58%

SECONDARY ENROLLMENT IN TENNESSEE VOCATIONAL-TECHNICAL EDUCATION
BY PROGRAM TYPE AND BY SEX
SCHOOL YEAR 1972-73

TYPE PROGRAM	MALE	FEMALE	TOTAL
Regular	38,432	57,530	95,962
Cc-op B	2,958	2,398	5,356
Co-op G	1,092	523	1,615
Work Study	156	108	264
Prevocational	2,708	1,211	3,919
Related Remedial	964	225	1,189
Handicapped	1,404	711	2,115
P. B. Disadvantaged	3,128	1,713	4,841

NOTE: Some students are counted more than once because a few classes are of more than one program type.

SECONDARY ENROLLMENT IN TENNESSEE VOCATIONAL-TECHNICAL EDUCATION
BY PROGRAM AND BY REGULAR, DISADVANTAGED AND HANDICAPPED
SCHOOL YEAR 1972-73

PROGRAM	REGULAR	DISADVANTAGED	HANDICAPPED
Agriculture	17,004	3,137	595
Distribution	4,843	703	209
Health	974	138	41
Consumer and Homemaking	37,034	7,536	1,251
Occupational Home Economics	1,012	301	180
Office	6,162	1,110	88
Technical	177	9	1
Trade and Industry	14,408	3,456	1,286
Special Programs	1,678	1,986	552
ACTUAL TOTAL	83,292	18,376	4,203
Percentage	79%	17%	4%

SECONDARY ENROLLMENT IN TENNESSEE VOCATIONAL-TECHNICAL EDUCATION
BY PROGRAM TYPE AND BY REGULAR, DISADVANTAGED AND HANDICAPPED
SCHOOL YEAR 1972-73

TYPE PROGRAM	REGULAR	DISADVANTAGED	HANDICAPPED
Regular	80,936	13,427	2,074
Co-op B	4,719	429	159
Co-op G	618	981	31
Work Study	213	49	3
Prevocational	3,177	653	100
Related Remedial	370	810	18
Handicapped	60	143	2,042
Part B Disadvantaged	1,136	3,338	196

NOTE: Some students are counted more than once because a few classes are of more than one program type.

DATA ON COMPLETIONS

EMPLOYMENT STATUS* OF COMPLETIONS IN
SECONDARY TENNESSEE VOCATIONAL-TECHNICAL EDUCATION
BY PROGRAM FOR SCHOOL YEAR 1972-73

PROGRAM	COMPLETIONS	KNOWN TO HAVE BEEN AVAILABLE FOR PLACEMENT			KNOWN TO HAVE BEEN NOT AVAILABLE FOR PLACEMENT		
		EMPLOYED FULL-TIME IN FIELD RELATED TO TRAINING	OTHER EMPLOY	UNEMPLOYED	CONTINUING ED. AT A HIGHER LEVEL	OTHER REASONS	STATUS UNKNOWN
Agriculture	6,173	2,009	1,146	164	654	347	1,853
Distribution	3,390	1,324	374	78	699	217	698
Health	616	85	87	43	173	28	200
Occupational Home Ec.	761	80	175	59	116	46	285
Office	4,335	1,411	514	156	1,083	191	980
Technical	82	23	18	3	20	3	15
Trade and Industry	7,590	2,250	1,245	203	825	482	2,585
TOTAL	22,947	7,182	3,559	706	3,570	1,314	6,616

*As of November 1, 1973

EMPLOYMENT OF STATUS* OF COMPLETIONS IN
POST-SECONDARY TENNESSEE VOCATIONAL-TECHNICAL EDUCATION
BY PROGRAM FOR SCHOOL YEAR 1972-73

PROGRAM	COMPLETIONS	KNOWN TO HAVE BEEN AVAILABLE FOR PLACEMENT			KNOWN TO HAVE BEEN NOT AVAILABLE FOR PLACEMENT		
		EMPLOYED FULL-TIME IN FIELD RELATED TO TRAINING	OTHER EMPLOY	UNEMPLOYED	CONTINUING ED. AT A HIGHER LEVEL	OTHER REASONS	STATUS UNKNOWN
Agriculture	50	24	5		16	1	4
Distribution	46	28			10		8
Health	1,523	803	55	126	243	67	229
Occupational Home Ec.	148	34	5	29	8	11	61
Office	2,215	839	66	271	120	100	819
Technical	924	317	24	11	36	24	512
Trade and Industry	3,735	1,916	405	545	196	152	521
TOTAL	8,641	3,961	560	982	629	355	2,154

*As of November 1, 1973

EMPLOYMENT STATUS* OF COMPLETIONS IN
ADULT (PREP.) TENNESSEE VOCATIONAL-TECHNICAL EDUCATION
BY PROGRAM FOR SCHOOL YEAR 1972-73

PROGRAM	COMPLETIONS	KNOWN TO HAVE BEEN AVAILABLE FOR PLACEMENT			KNOWN TO HAVE BEEN NOT AVAILABLE FOR PLACEMENT		
		EMPLOYED FULL-TIME IN FIELD RELATED TO TRAINING	OTHER EMPLOY	UNEMPLOYED	CONTINUING ED. AT A HIGHER LEVEL	OTHER REASONS	STATUS UNKNOWN
Agriculture	55	46					9
Distribution	1,554	715	176	53	32	67	511
Health	56	21	6	5	1	2	21
Occupational Home Ec.	33	15	3			4	11
Office	3,360	1,576	390	83	68	106	1,137
Technical	331	161	20	3	15	9	123
Trade and Industry	3,312	2,752	177	41	33	58	251
TOTAL	8,701	5,286	772	185	149	246	2,063

*As of November 1, 1973

NUMBERS OF INSTRUCTIONAL PERSONNEL

PERSONNEL IN TENNESSEE VOCATIONAL-TECHNICAL EDUCATION
BY PROGRAM (SECONDARY ONLY)
SCHOOL YEAR 1972-73

PROGRAM	NO. OF PERSONNEL	FULL-TIME EQUIVALENT	PERCENTAGE
Agriculture	274	269.9	14%
Distribution	125	123.1	6%
Health	27	37.2	1%
Consumer and Homemaking	511	483.7	26%
Occupational Home Economics	49	40.9	2.5%
Office	180	160.8	9%
Technical	25	10.7	1%
Trade and Industry	526	522.1	26%
Related	48	68.2	2.5%
Prevocational	55	35.5	3%
Other	164	68.7	8%
No Information	18		1%
TOTAL	1,987		